

**WESTERN
CLAY COMPANY**

INDUSTRIAL/AGRICULTURAL MINERALS

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COMMENTS: _____

M/015/072

FAX COVER SHEETDATE: 2-11-97TO: LynnCOMPANY: Dogm.SUBJECT: Soil analysis & seed mixFROM: BradTOTAL NUMBER OF PAGES INCLUDING COVER SHEET: 17

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RECEIVE ALL SUBMITTED PAGES, PLEASE CALL US AS SOON AS POSSIBLE.

THANK YOU

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: WESTERN CLAY CO.
Project: San Rafael Swell
Laboratory ID: 49294
Sample ID: SS #6 0-6" Composite
Sample Matrix: Soil
Condition: Intact

Date Reported: 10/4/96
Date Sampled: 8/28/96
Date Received: 9/4/96

Parameter	Analytical Result	Units		Units
Lab pH	7.6	s.u.		
Total Alkalinity as CaCO ₃	82.0	mg/L		
Bicarbonate as HCO ₃	97.6	mg/L	1.60	meq/L
Carbonate as CO ₃	<1.00	mg/L	<1.00	meq/L
Hydroxide as OH	<1.00	mg/L	<1.00	meq/L

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1973. "Standard Methods For The Examination of Water and Waste Water", 19th ed., 1995.

Reviewed By: AB

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: WESTERN CLAY CO.
Project: San Rafael Swell
Laboratory ID: 49293
Sample ID: SS #5 0-6" Composite
Sample Matrix: Soil
Condition: Intact

Date Reported: 10/4/96
Date Sampled: 8/28/96
Date Received: 9/4/96

Parameter	Analytical Result	Units		Units
Lab pH	7.5	s.u.		
Total Alkalinity as CaCO ₃	110	mg/L		
Bicarbonate as HCO ₃	134	mg/L	2.20	meq/L
Carbonate as CO ₃	<1.00	mg/L	<1.00	meq/L
Hydroxide as OH	<1.00	mg/L	<1.00	meq/L

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1973. "Standard Methods For The Examination of Water and Waste Water", 19th ed., 1995.

Reviewed By: AB

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: WESTERN CLAY CO.
Project: San Rafael Swell
Laboratory ID: 49292
Sample ID: SS #4 0-18" Composite
Sample Matrix: Soil
Condition: Intact

Date Reported: 10/4/96
Date Sampled: 8/28/96
Date Received: 9/4/96

Parameter	Analytical Result	Units		Units
Lab pH	7.6	s.u.		
Total Alkalinity as CaCO ₃	60.0	mg/L		
Bicarbonate as HCO ₃	73.2	mg/L	1.20	meq/L
Carbonate as CO ₃	<1.00	mg/L	<1.00	meq/L
Hydroxide as OH	<1.00	mg/L	<1.00	meq/L

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1973. "Standard Methods For The Examination of Water and Waste Water", 19th ed., 1995.

Reviewed By: JB

Inter-Mountain Laboratories, Inc.

2508 W. Main Street
Farmington, New Mexico 87401

Client: WESTERN CLAY CO.
Project: San Rafael Swell
Laboratory ID: 49291
Sample ID: SS #3 0-18" Composite
Sample Matrix: Soil
Condition: Intact

Date Reported: 10/4/96
Date Sampled: 8/27/96
Date Received: 9/4/96

Parameter	Analytical Result	Units		Units
Lab pH	7.6	s.u.		
Total Alkalinity as CaCO ₃	80.0	mg/L		
Bicarbonate as HCO ₃	97.6	mg/L	1.60	meq/L
Carbonate as CO ₃	<1.00	mg/L	<1.00	meq/L
Hydroxide as OH	<1.00	mg/L	<1.00	meq/L

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes",
1973. "Standard Methods For The Examination of Water and Waste Water", 19th
ed., 1995.

Reviewed By: JB

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Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: WESTERN CLAY CO.
Project: San Rafael Swell
Laboratory ID: 49290
Sample ID: SS #2 0-18" Composite
Sample Matrix: Soil
Condition: Intact

Date Reported: 10/4/96
Date Sampled: 8/27/96
Date Received: 9/4/96

Parameter	Analytical Result	Units		Units
Lab pH	7.4	s.u.		
Total Alkalinity as CaCO ₃	110	mg/L		
Bicarbonate as HCO ₃	134	mg/L	2.20	meq/L
Carbonate as CO ₃	<1.00	mg/L	<1.00	meq/L
Hydroxide as OH	<1.00	mg/L	<1.00	meq/L

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes",
1973. "Standard Methods For The Examination of Water and Waste Water", 19th
ed., 1995.

Reviewed By: AB

Inter-Mountain Laboratories, Inc.

2606 W. Main Street
Farmington, New Mexico 87401

Client: WESTERN CLAY CO.
Project: San Rafael Swell
Laboratory ID: 49289
Sample ID: SS #1 0-18" Composite
Sample Matrix: Soil
Condition: Intact

Date Reported: 10/4/96
Date Sampled: 8/27/96
Date Received: 9/4/96

Parameter	Analytical Result	Units	Units
Lab pH	7.3	s.u.	
Total Alkalinity as CaCO ₃	84.0	mg/L	
Bicarbonate as HCO ₃	103	mg/L	1.68 meq/L
Carbonate as CO ₃	<1.00	mg/L	<1.00 meq/L
Hydroxide as OH	<1.00	mg/L	<1.00 meq/L

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes",
1973. "Standard Methods For The Examination of Water and Waste Water", 19th
ed., 1995.

Reviewed By: JB